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111 WEST JACKSON BLVD., CHICAGO, ILLINOIS 60604, TEL. 312-663-9415
International Specialists in the Environment

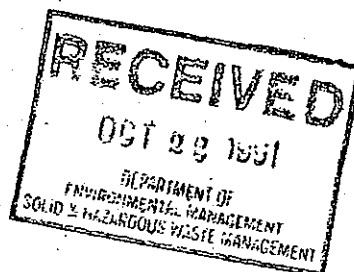
M E M O R A N D U M

TO: Colleen Hart, U.S. EPA
FROM: Kerry Reyes, FIT *KK*
DATE: October 9, 1991
SUBJECT: Gary Development Co., Inc., Landfill Site, Gary, Indiana
IND077005916/P05-9104-064/FIN0085PA

Ecology and Environment, Inc., Field Investigation Team (FIT) conducted an off-site reconnaissance inspection of the Gary Development Co., Inc., Landfill site on June 12, 1991. There is a potential for surface water contamination of the Grand Calumet River through a ditch that flows along the west side of the site and into the river. Past sampling of this ditch has revealed it to be contaminated with heavy metals. There is also a potential for groundwater contamination because wastes at the site are buried to a depth of 30 feet, which is the same as depth to water on-site. Past sampling of on-site monitoring wells indicated that groundwater was contaminated, although the source of this contamination is not certain because the site is in an industrial area.

FIT recommends that the Gary Development Co., Inc., Landfill site be given a medium priority for inspection, based on the threats to surface water and groundwater in the vicinity of the site.

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PRELIMINARY ASSESSMENT

EXECUTIVE SUMMARY

TO: Colleen Hart, U.S. EPA
FROM: Kerry Reyes, FIT *KR*
DATE: October 9, 1991
SUBJECT: Gary Development Co., Inc., Landfill Site, Gary, Indiana
IND077005916/P05-9104-064/FIN0085PA

An off-site reconnaissance inspection of the Gary Development Co., Inc., Landfill site was conducted by Ecology and Environment, Inc., Field Investigation Team on June 12, 1991. The site is located at 479 Cline Avenue in Gary, Indiana. The site is an active sanitary landfill that was constructed in an abandoned, water-filled sand quarry located adjacent to the Grand Calumet River in northeastern Indiana. The current operator of the site, Lawrence H. Hagen, Vice President of Gary Development Co., Inc. (GDC), obtained a sanitary landfill construction permit before the building of the landfill. Construction of required systems, barriers, and wells was completed in September 1974. Soon after the permit was issued, the state of Indiana began to question the adequacy of the systems. The liquid wastes from the leachate collection system were discharged into the Grand Calumet River for a number of years without a National Pollution Discharge Elimination System permit. This was stopped in 1983 as a result of a consent decree settlement with the state. Since this time, the liquid leachate has been mixed with lime and fly ash to form a rock-like cover material. GDC petitioned and received approval from the Indiana State Board of Health to receive industrial wastes, some of which contained varying amounts of hazardous compounds.

The current leachate collection system maintains the depressed water table on-site, which makes the probability of contaminants migrating from the site to groundwater remote. Without the leachate